

(19)

KOREAN INTELLECTUAL PROPERTY OFFICE

## KOREAN PATENT ABSTRACTS

(11)Publication number: **1020020005365 A**(43)Date of publication of application: **17.01.2002**(21)Application number: **1020000083366**(22)Date of filing: **27.12.2000**(30)Priority: **07.07.2000 KR  
1020000038962**

(71)Applicant:

**ELECTRONICS AND  
TELECOMMUNICATIONS  
RESEARCH INSTITUTE  
PARK, GWANG HOON**

(72)Inventor:

**AHN, CHI DEUK  
LEE, MYEONG HO  
LEE, YUN JIN  
LIM, YEONG GWON  
PARK, GWANG HOON**

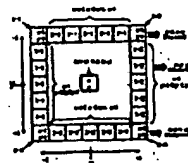
(51)Int. Cl.

**H04N 1/04****(54) WATER RING SCAN DEVICE AND METHOD AND IMAGE CODING/DECODING APPARATUS AND METHOD USING THE SAME**

(57) Abstract:

PURPOSE: A water ring scan device and method and an image coding/decoding apparatus and method using the water ring scan device are provided to transmit image information suitably for the human visual system, thereby obtaining excellent picture quality.

CONSTITUTION: A water ring scan device includes a water ring scan starting means, a water ring scan position determining means, and a water ring scanning means. The water ring scan starting means starts water ring scanning from a position at which water ring is generated, that is a visually important specific image portion to be scanned preferentially. The water ring scan position determining means determines a water ring scan position in the form of enclosing the water ring generated position with a square ring, and then determines the next water ring scan position in the form of enclosing the square ring with another square ring. The water ring scanning means for performing water ring scanning according to the water ring scan positions determined by the water ring scan position determining means.



COPYRIGHT KIPO 2002

Legal Status

**BEST AVAILABLE COPY**

Date of final disposal of an application (20020731)  
Patent registration number (1003538510000)  
Date of registration (20020910)  
Date of opposition against the grant of a patent (00000000)